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IN - KAZUO T; NAONOBUS; SATOSHI M

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PA - (PRIN-N) PRINCE PAPERMAKING CO LTD

- (OJIP) OJI PAPER CO

PN - JP2000318298 A 20001121 DW200064 B41M5/00 010pp

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AB - EP997314 NOVELTY - Ink jet recording sheet having two ink receiving layers comprising amorphous synthetic silica particles and water-insoluble polymer, the upper one also comprising silanol-modified polyvinyl alcohol and exhibiting Bekk smoothness 5 - 40 sec.

- DETAILED DESCRIPTION - An ink jet recording sheet comprises:

- (A) a support sheet comprising a polymeric film;

- (B) a lower ink receiving layer comprising amorphous synthetic silica particles and a water-insoluble polymeric material; and

- (C) an upper ink receiving layer comprising amorphous synthetic silica particles, a water-insoluble polymeric material and a silanol-modified polyvinyl alcohol; this layer exhibiting Bekk smoothness 5 - 40 sec., determined according to Japanese Industrial Standard P 8119-1976.

- INDEPENDENT CLAIMS are also included for:

- (a) Ink jet recording comprising jetting imagewise ink droplets comprising a coloring pigment toward the upper ink receiving layer of the above ink jet recording sheet, to record colored ink images in the upper and lower ink receiving layers of the sheet; and

- (b) An ink jet recording sheet comprising (A), (B) and (C) as above; (D) coloring pigment ink images recorded on the upper ink receiving layer; and (E) a transparent resin film layer laminated on the upper ink receiving layer to cover the coloring pigment ink images.

- USE - The ink jet recording sheet is useful for advertisement sheets.

- ADVANTAGE - The ink jet recording sheet exhibits excellent rubbing resistance and quality of pigment images, rubbing and water resistance of the ink receiving layer, resistance of pigment images to blotting, color density of pigment images and surface strength and hence has excellent resistance to rough handling and high weather resistance.

- (Dwg.0/0)

IW - INK JET RECORD SHEET USEFUL ADVERTISE SHEET TWO INK RECEIVE LAYER